USER'S MANUAL
QICK-36 TAPE DRIVE CONTROLLER

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Quick Start Configuration

This paragraph outlines the basic information needed to quickly configure your tape backup system for use in most systems.

Quick Start Configuration - IBM AT Running PC-DOS/MS-DOS

The I/O address comes preset from the factory to 300H. The DMA will be set to DRQ=1 and DACK=1. The interrupt will be set to IRQ=3. These settings will work for most basic AT configurations.

Quick Start Configuration - IBM AT Running SCO Xenix

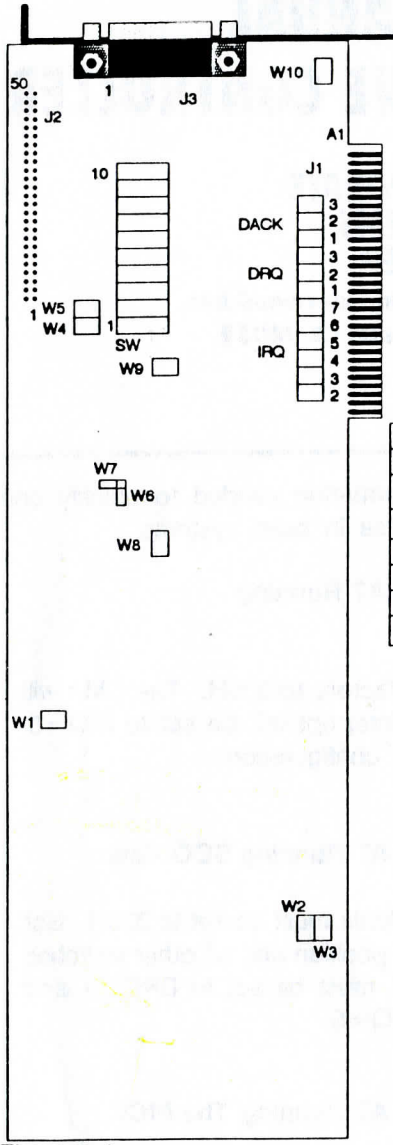
The I/O address for operation with SCO Xenix must be set to 338H. Set switches 1, 2, 6 & 7 to the ON or Closed position and all other switches to the OFF or open position. The DMA must be set to DRQ=1 and DACK=1. The interrupt must be set to IRQ=5.

Quick Start Configuration - IBM AT Running The PICK Operating System

The I/O address for operation with PICK must be set to 338H. Set switches 1, 2, 6 & 7 to the ON or Closed position and all other switches to the OFF or open position. The DMA must be set to DRQ=3 and DACK=3. The interrupt must be set to IRQ=5.

Quick Start Configuration - Novell Netware Operating System

The I/O address for operation with Novell Netware must be set to 338H. Set switches 1, 2, 6 & 7 to the ON or Closed position and all other switches to the OFF or open position. The DMA must be set to DRQ=2 and DACK=2. The interrupt must be set to IRQ=6.



I/O Address Switch Settings

Address Bit	A1	A2	A3	A4	A5	A6	A7	A8	A9	
SW Position	1	2	3	4	5	6	7	8	9	10
Desired Address										
000H	On	On	On	On	On	On	On	On	On	Off
288H	On	On	Off	On	On	On	Off	On	On	Off
2ACH	On	Off	Off	On	Off	On	Off	On	On	Off
300H*	On	On	On	On	On	On	On	Off	Off	Off
338H	On	On	Off	Off	Off	On	On	Off	Off	Off

* Default Setting

Default Jumper Settings

Jumper	In	Out
W1	X	
W2	X	
W3		X
W4		X
W5		X
W6	X	
W7		X
W8		X
W9		X
W10	X	
IRQ2		X
IRQ3	X	
IRQ4		X
IRQ5		X
IRQ6		X
IRQ7		X
DRQ1	X	
DRQ2		X
DRQ3		X
DACK1	X	
DACK2		X
DACK3		X

Figure 2-1
PC-36 III Controller Jumper And Switch Locations

Quick Start Configuration - AT&T 6300 Running MS-DOS

The I/O address for operation in the AT&T 6300 must be set to 288H. Set switches 1, 2, 4, 5, 6 & 8 to the ON or Closed position and all other switches to the OFF or open position. The DMA must be set to DRQ = 1 and DACK = 1. The interrupt must be set to IRQ = 2.

The controller contains several option jumpers that must be configured for proper operation before installation in the system unit. The locations of these jumpers can be found in Figure 2-1. The default jumper settings can also be found in Figure 2-1. The default configuration is for installation in the IBM AT.

DRQ 1-3 & DACK 1-3 - DMA Channel Select

These jumpers select the desired DMA channel for the controller. The DRQ and DACK jumpers must be configured for the same channel (ie. if the DRQ1 jumper is installed, the DACK1 jumper must be installed). The default for this configuration is DRQ1 & DACK1 installed and all others not installed.

IRQ 2-7 - Interrupt Select

These jumpers configure the controllers hardware interrupt priority, IRQ 2 has the highest priority and IRQ 7 the lowest. The selection of an interrupt must be chosen to avoid conflicts with other hardware options in your computer application.

I/O Address Select

These switches configure the input/output address for the controller. The selection of an input/output address must be chosen to avoid conflicts with other hardware options in your computer. Refer to Figure 2-5 for proper switch setting. Refer to Figure 2-1 for the default and common address switch settings.

W1, W6 & W7 - Test Mode

These jumpers are used by Wangtek during the testing of the controller and should not be changed. The W1 & W6 jumpers should be installed and the W7 jumper not installed.

W2 & W3 - RAM Size Select

These jumpers are used to configure the RAM buffer size to match the RAM I.C. installed on the board. When jumper W2 is installed and W3 not installed, the controller is configured for a 2K byte RAM. When W2 is not installed and W3 is installed, the controller is configured for a 8K byte RAM.

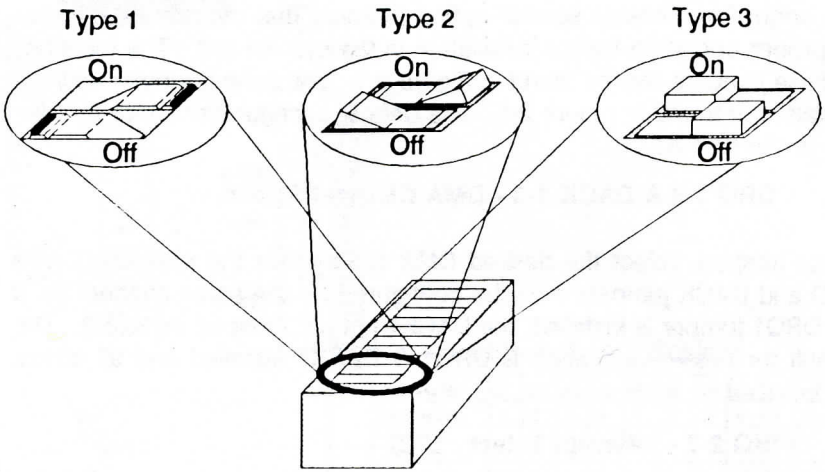


Figure 2-5
On/Off Switch Settings

W4 - Read Threshold Select

This jumper is used the controller for external read threshold selection when installed. The default for this configuration is not installed.

W5 & W9- Reserved

These jumpers are reserved for future use and are not installed.

W8 - Power Status

This jumper provides a status signal indicating if the controller has power applied to it. The default for this configuration is not installed.

W10 - Ground Isolation

When this jumper is installed, the main board logic ground is connected to the chassis ground. When not installed, the main board logic ground is isolated from the chassis ground by a 0.1 microfarad capacitor. The default for this configuration is installed.